



# Unique Item Tracking Committee



[www.snt.navsup.navy.mil](http://www.snt.navsup.navy.mil)



***Ready. Resourceful.  
Responsive!***

**MATT MULLINS  
CDR, USN  
17 JUN 2003**

## Outline

- **Background/Overview**
- **Implementation**
- **System Access**
- **AIT**
- **Parallel Goals with DOD**
- **Summary**

# How SNT Got Started

## Aviation Maintenance-Supply Readiness (AMSR) Review Tasking - 1998

Background/Overview



↓ Lower Maintenance & Supply Cost  
↑ Increase Readiness



### Result – Serial Number Tracking Initiative provides:

- Retrograde Tracking & TAV

By T/M/S, Organization and time period

- Cannibalization data
- BCM statistics
- Top Cost Driver figures
- Reliability information

## Background/Overview

**Definition:** *Closed-loop, cradle-to-grave tracking of maintenance critical, serialized **components**, providing asset visibility and material status, and enabled by automatic identification technology*

### Major Benefits:

#### **Maintenance**

- Identify Maintenance Deficiencies
- Measure Reliability
- Accurate Record Configuration
- Identify Latent Defects
- Determine Training Requirements
- Assist Engineering Investigations

#### **Supply**

- Assess Repair Turn Around Time
- Decrease Misidentification and Losses
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

# SNT Consists of Two Pillars

Implementation

SNT requires two components

SNT

## Data Base Access

WMRS/A-ORS  
eRMS/WMPS  
UICP  
WEB-CAV  
CAV-ORM  
CAV-Navy  
FACTS  
OOMA/OIMA  
R-Supply  
IBS

## AIT

CMB  
2D Data  
matrix  
2D PDF417  
ISO15418/15  
434  
MILSTD129  
MILSTD130  
MSL  
IRRD

## FIRST

Live  
access  
to  
databases  
via the  
SNT Web-  
enabled  
portal.

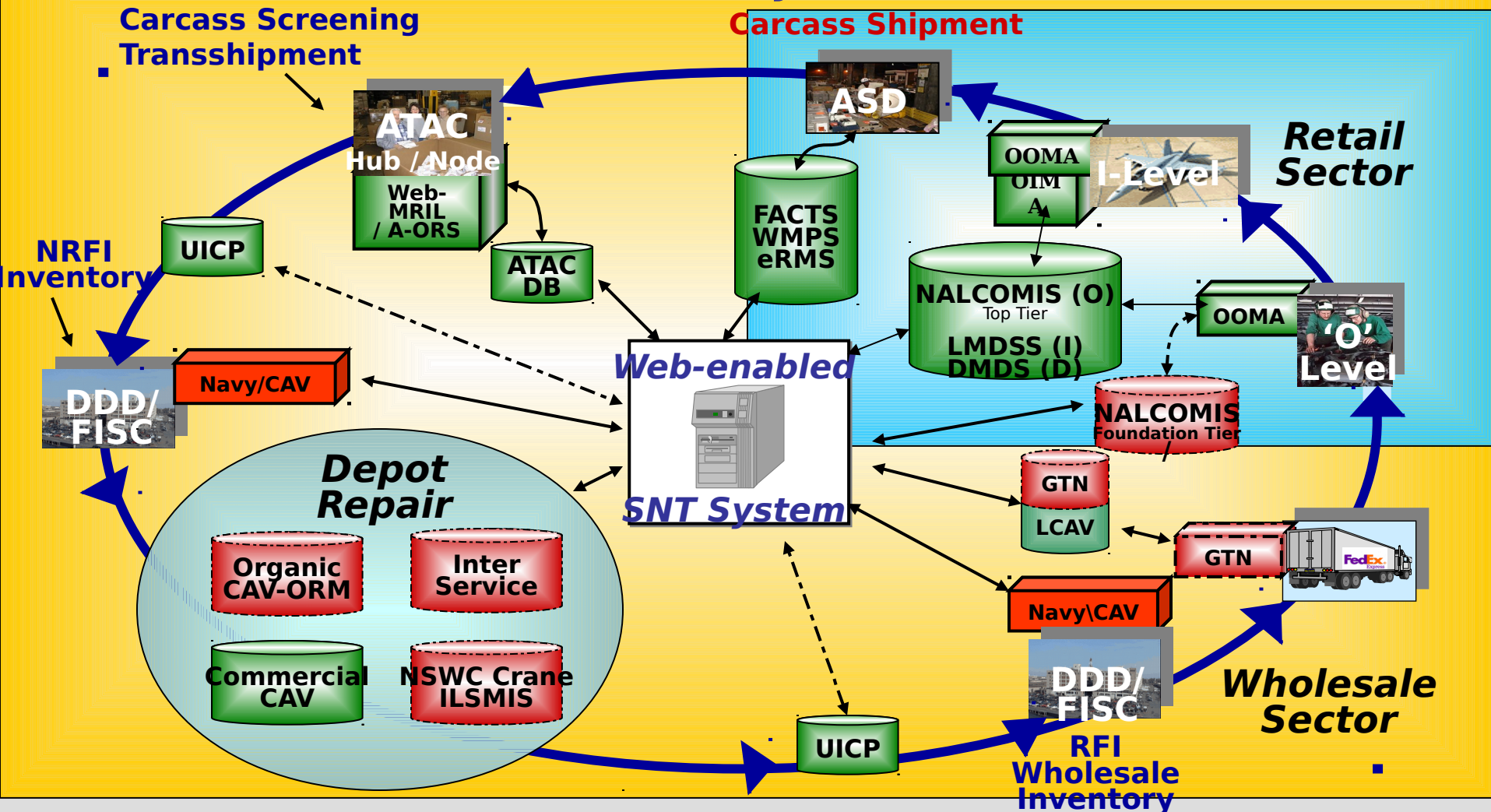
## SECOND

Automatic  
Identification  
Technology  
(AIT) is used  
by the SNT  
to maintain  
data accuracy



## Information Systems

## System Access



Connected w/SN

No SN

Not

Asset Flow

AIT

Scheduled  
Removal  
Component  
Card

**Contact Memory  
Button  
(CMB)**

**Nameplate Data**

**Warranty  
Data**

**Maintenance  
History\*\***

**CMB Stats:**

- 2k,8k,32k
- ~\$7-\$13 each
- Read/Write
- Dual CMB/BC Reader \$1200

\*\*Use TBD within  
aviation maintenance


**Available for Vendor  
Use**

**Available for Future Navy  
Use**


AIT


## Mil-Std 130 Identification Marking of U. S. Property Product Marking

### Today's Standard

Ser Nr  ABCDE1234

NAME  CONT

 12345

 5950-01-234-1234

MFG  Spiegelmeyer, INC

U. S. NAVY NAVSEASYS COM

### Tomorrow's Standard



**CMB**



**2D Data Matrix**

Cage V2345  
PN 33489-12  
NSN 5835-01-141-  
5888

Ser: 45367







# Military Standards Package Marking


AIT

## Mil Std 129 Package Marking

### Today's Standard

NSN	 5950001234567
Contract	 DAHCS488D0007
Cage	 33825
Ser Number	 0001937

### Tomorrow's Standard

PDF-417 Format	
	Cage 92059
	PN 102770-351
	Ser 6694
	NSN 7025-01-141-8061
	Cont N00104-03-F-0023
	Name Magnetic Tape

Package marking

INVOICES

AIT



**Mil-Std 129 PDF417  
2D  
ANSI MH 10**

Cage: 02059  
PN:102770-351  
Ser: 6694  
NSN 7025011415888  
CONT: N00104-98-T-0023  
Name: Magnetic Tape  
U/I: EA  
QTY: 1

DD FORM 1348-1A, NOV 87 ISSUE RELEASE/RECEIPT DOCUMENT

1. TOTAL PRICE										2. SHIP FROM		3. SHIP TO	
UNIT PRICE DOLLARS CTS										N97512		N63196	
4. MARK FL										NSC 514 DI		O CA	
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16. FREIGHT CLASSIFICATION NOMENCLATURE													
17. ITEM NOMENCLATURE VALVE ASSY													
18. TY CONT 19. NO CONT 20. TOTAL WEIGHT										TOTAL CUBE			
21. RECEIVED BY										DATE RECEIVED			

Serial Number

CASREP URGENT

REMARKS: SBR # 0027 CASREPT

Create IRRD with Serial Number



# Retrograde from Customer



NAVAL SUPPLY SYSTEMS  
COMMAND

AIT

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CIN (2670-2674)										CITY (2675-2679)										CIN (2680-2684)										CITY (2685-2689)										CIN (2690-2694)																			
CITY (2695-2699)										CIN (2700-2704)										CITY (2705-2709)										CIN (2710-2714)										CITY (2715-2719)																			
CIN (2720-2724)										CITY (2725-2729)										CIN (273																																							



# Retrograde to DD



NAVAL SUPPLY SYSTEMS  
COMMAND

AIT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																												
BC2 PDH 0 EA 00001										SN3113										K26 7R CL4 13										A										A P E										5090 00										005090										00										1. TOTAL PRICE										2. SHIP FROM										3. SHIP TO																																																											
UNIT PRICE										DOLLARS										CTS										4. MARK FOR										TRANSHIPMENT										5. DOC DATE										6. AMPC										7. FRT RATE										8. TYPE CARGO										9. PS																																																																					
10. QTY RECD										11. UP										12. UNIT WEIGHT										13. UNIT CUBE										14. LFC										15. SL										16. FREIGHT CLASSIFICATION NOMENCLATURE										EASMAT 9: NONHAZARDOUS OR NONSENSITIVE										17. ITEM NOMENCLATURE										VALVE, BUTTERFLY										18. TY CONT										19. NO CONT										20. TOTAL WEIGHT										21. TOTAL CUBE										22. RECEIVED BY										23. DATE RECEIVED									
24. DOCUMENT NUMBER & SUPPLY (30-44)										25. NATIONAL STOCK NO & ADD (8-22)										26. REC (A-E) (1-24) (1-25) (1-26) (1-27) (1-28) (1-29) (1-30) (1-31) (1-32) (1-33) (1-34) (1-35) (1-36) (1-37) (1-38) (1-39) (1-40) (1-41) (1-42) (1-43) (1-44) (1-45) (1-46) (1-47) (1-48) (1-49) (1-50) (1-51) (1-52) (1-53) (1-54) (1-55) (1-56) (1-57) (1-58) (1-59) (1-60) (1-61) (1-62) (1-63) (1-64) (1-65) (1-66) (1-67) (1-68) (1-69) (1-70) (1-71) (1-72) (1-73) (1-74) (1-75) (1-76) (1-77) (1-78) (1-79) (1-80) (1-81) (1-82) (1-83) (1-84) (1-85) (1-86) (1-87) (1-88) (1-89) (1-90) (1-91) (1-92) (1-93) (1-94) (1-95) (1-96) (1-97) (1-98) (1-99) (1-100)										27. SECURITY CODE U										28. RMN IN PLACE MAILLABLE CAND										29. LEVEL SKED IRIM										30. DD FORM 1348-1A, NOV 87										31. ISSUE RELEASE/RECEIPT DOCUMENT																																																																																									
32. SERIAL NUMBER										33. P546C										34. ZGR4058										35. DD FORM 1348-1A, NOV 87										36. ISSUE RELEASE/RECEIPT DOCUMENT																																																																																																																							

Serial  
Number

# Wholesale System Reporting S/N

Future

**Coming Soon**  
**DSS Reports**  
**SN of**  
**Selected Items**  
**For Receipts/**  
**Issues**



*Web-enabled*



*SNT System*

**SNT WEB**  
**Site**  
**Accesses**  
**Navy**  
**Repository**

DDNV 12/8/02 - 3/3/03  
DDDC/DDCN 1/12/03 -  
3/3/03

**Navy Repository**

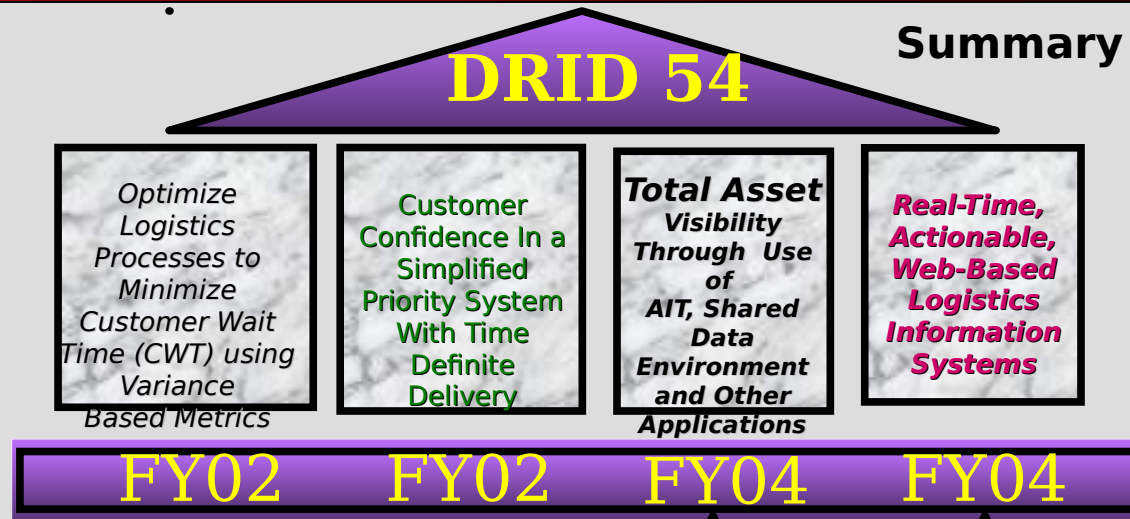
Receipts	W/ SN	W/O SN
DDNV	6	22
DDDC	193	112
DDCN	493	201
Issues		
DDNV	15	9
DDDC	95	164
DDCN	470	314

# SIM / SNT Parallel Goals



Complements

- SUPER REG
- DoD 5000.2 Acquisition
- SIM Directive
- ADC 44 & 89
- DoD UID Guide 9 May 03





- **SNT Project well underway**
- **Accessing systems**
- **Complying with DOD directives**
  - **AIT**
  - **UID**
- **SNT is a part of (and complements)**  
**TAV**



# Points of Contact

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NAVAL SUPPLY SYSTEMS  
COMMAND

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